

## CLAIMS

1. A gas-processing apparatus used in computers, portable electronic apparatuses, or IA devices, at least comprising a casing, a light source unit covered with an optical catalyst  
5 in said casing, and a fan unit adjacent to said light source; actually, said light source unit and fan unit being deployed in the air flow path in said casing; said ultraviolet lamp radiating ultraviolet radiation onto the optical catalyst to completely eliminate odor, exhaust gas, toxic matters, or dust  
10 contained in the gas generated from said computers, portable electronic apparatuses, or IA devices, and then the fan unit expelling the processed gas (fresh gas) outside of said casing.

2. A gas-processing apparatus used in computers, portable electronic apparatuses, or IA devices, at least comprising a  
15 casing with an optical catalyst layer inside, an light source unit mounted in said casing, and a fan unit adjacent to said light source unit; actually, said light source unit and fan unit being deployed in the air flow path in said casing; said ultraviolet lamp radiating ultraviolet radiation onto the  
20 optical catalyst layer inside of said casing to completely eliminate odor, exhaust gas, toxic matters, or dust contained in the gas generated from said computers, portable electronic apparatuses, or IA devices, and then the fan unit expelling the processed gas (fresh gas) outside of said casing.

25 3. A gas-processing apparatus according to claim 1, wherein said casing encloses an internal space and has an air inlet and an air outlet.

4. A gas-processing apparatus according to claim 2, wherein said casing encloses an internal space and has an air inlet and  
30 an air outlet.

5. A gas-processing apparatus according to claim 3, wherein at least a filtering unit is mounted at said air inlet or said air outlet.

6. A gas-processing apparatus according to claim 4, wherein  
5 said filtering unit is a filtering screen/film or active carbon;

7. A gas-processing apparatus according to claim 3, wherein said fan unit is deployed at least at said air inlet or at air outlet of the internal space of said casing and adjacent to said light source unit;

10 8. A gas-processing apparatus according to claim 1, wherein said gas-processing apparatus can be designed as a module that can be used in any portable apparatus or a portable stick form that is powered via a USB plug to expand its applicability.

15 9. A gas-processing apparatus according to claim 2, wherein said gas-processing apparatus can be designed as a module that can be used in any portable apparatus or a portable stick form that is powered via a USB plug to expand its applicability.